

**To:** Lisa L. Denke [(b)(6) privacy (email)]@uwyo.edu]  
**Sent:** Wed 6/12/2013 4:37:28 PM  
**Subject:** RE: Bicarb

Hi Lisa, thanks for getting back to me. You may also want to talk

**From:** Lisa L. Denke [mailto:((b)(6) privacy (email))@uwyo.edu]  
**Sent:** Wednesday, June 12, 2013 10:28 AM  
**To:** Oberley, Gregory  
**Subject:** RE: Bicarb

Hi Gregory,

Thanks for the links! The appendix file has the lat longs, which I didn't have before.

I'm hoping to compare the new data you guys gathered to the data USGS gathered in the 1950's and 60's. The monitoring well data is pretty obvious (for example, there's hydroxide, which you don't usually see), but the domestic wells may be more subtle.

Lisa Denke

[(b)(6) privacy (phone #)]

[www.linkedin.com/pub/lisa-denke/14/526/4a5/](http://www.linkedin.com/pub/lisa-denke/14/526/4a5/)

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**From:** Oberley, Gregory  
**Sent:** Tuesday, June 11, 2013 4:39 PM  
**To:** Lisa L. Denke  
**Subject:** RE: Bicarb

Lisa, here are links to the EPA and USGS results for Phase V sampling

<http://www.epa.gov/region8/superfund/wy/pavillion/phase5/PavillionSeptember2012Appendices.pdf>

[http://pubs.usgs.gov/ds/718/DS718\\_508.pdf](http://pubs.usgs.gov/ds/718/DS718_508.pdf)

If there are still some things missing please let me know and I'll do some more digging. The Pavillion website on the Region 8 website has links to lab reports rather than summary tables you may want to look through that website or let me know a specific item that you are trying to find.

gregory

**From:** Lisa L. Denke [mailto:ldenke@uwyo.edu]  
**Sent:** Monday, June 10, 2013 11:12 AM  
**To:** Oberley, Gregory  
**Cc:** Patricia J.S. Colberg  
**Subject:** Bicarb

Hello Gregory,

Thanks for the reply on LinkedIn. What I'm doing is going thru old USGS Water Supply Papers, and compiling a spreadsheet of cation and anion constituents. The two papers with the most info are WSP 1576-I (1969) and WSP 1375 (1959). So this would be "historical baseline data." The cation and anion meq's balance pretty well for the samples, even though it is old data.

By way of information, my grant proposal is attached so you can see the approach I'm taking.

Lisa Denke

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